

Amendments to the Specification:

Please replace the paragraph beginning at page 17, line 14 with the following amended paragraph:

RN103 – C6-NH₂ linker-CCTGCGCCAGTTGAATGCCAGTGAGATAGA-TAMRA dye
(SEQIDNO:1)

Please replace the paragraph beginning at page 17, line 15 with the following amended paragraph:

BN30 – C6-NH₂ linker- GTCTGAGTCGGAGCCAGGGCGGCCAAC-biotin
(SEQIDNO:2)

Please replace the paragraph beginning at page 17, line 16 with the following amended paragraph:

5N009 – C6-NH₂ linker-CTGGTTTCTGCTCCTGGCCTGGGTGTC (SEQIDNO:3)

Please replace the paragraph beginning at page 17, line 17 with the following amended paragraph:

5N021 – C6-NH₂ linker-CTGTCCCCTTAGAGATCCCACCTGTCAGA (SEQIDNO:4)

Please replace the paragraph beginning at page 17, line 18 with the following amended paragraph:

5N041 – C6-NH₂ linker-TTCCTTCATCCCTCTGTTCCCAGGTTT (SEQIDNO:5)

Please replace the paragraph beginning at page 20, line 16 with the following amended paragraph:

RN118 – C6-NH₂ linker-GCCATGTGCAGTCTGGTTCAGGTTCATAAA-TAMRA dye
(SEQIDNO:6)

Please replace the paragraph beginning at page 20, line 17 with the following amended paragraph:

BN118 – C6-NH₂ linker-GCCATGTGCAGTCTGGTCAGGTTCATAAA-biotin label
(SEQIDNO:7)

Please replace the paragraph beginning at page 20, line 18 with the following amended paragraph:

5N006 – C6-NH₂ linker-TGATTGTGTTCTGCCTCTGGTTGACCTT (SEQIDNO:8)

Please replace the paragraph beginning at page 24, line 16 with the following amended paragraph:

NC30 – Cy3- GTCTGAGTCGGAGCCAGGGCGGCCAAC- C6-NH₂ linker
(SEQIDNO:9).